Utility at the job site.
Lighting the way in building processes.

Utility from Wacker Neuson ensures that all processes on the job site function smoothly. All machines are produced to the highest quality standards and their durability of performance is impressive. This is in line with Wacker Neuson company values: **reliability, trustworthiness, quality, fast response times, flexibility, and innovation.**

1 **Wacker Neuson heating systems**
From small and medium-sized heaters through space heaters to ground and surface heaters, Wacker Neuson offers a wide range of heating devices. Contact us for more information.

2. **Wacker Neuson pumps**
Three-phase and AC submersible pumps, centrifugal or diaphragm trash pumps, waste water pumps and dewatering pumps – the Wacker Neuson pump range has the right pump for every occasion.

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Power generators & lighting.

Optimum utility at the job site.

Please note: The product range of the Wacker Neuson Group comprises more than 300 different product groups in the light and compact equipment areas. In the light equipment area the product range comprises various device types – according to different voltage and frequency conditions, local regulations, market specifics and operating conditions. Not all Wacker Neuson products listed or shown here are therefore available or approved in all countries. Modifications reserved in the interest of continuous further development. The Wacker Neuson Group does not accept any liability whatsoever for the correctness and completeness of the data given in this brochure. Reprints permissible only with prior approval in writing by the Wacker Neuson Group, Munich. © Wacker Neuson SE 2009. All rights reserved.

WACKER NEUSON

WACKER NEUSON

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We can guarantee you
a smooth-running job site.

POWER GENERATION AND LIGHTING SYSTEMS

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GENERATORS
- Portable generators
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ACCESSORIES
- Generators
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APPLICATIONS FOR GENERATORS
- Overview of generators and connection options

Indispensable:
Reliable electric power supply technology on the job site.

Generators in the field.
The basis of a smooth-running job site is a powerful and reliable electric power supply. Wacker Neuson offers a range of power generators tailored for different job site requirements and fields of application:

- **Portable generators** are particularly suitable for smaller job sites or if moving frequently around the job site. They are easy to transport and simple to handle.
- **Mobile generators** are the ideal power generators for use on large job sites or as automatic power standby generators. The practical transport trailer make them mobile and extremely versatile.

PORTABLE GENERATORS

MOBILE GENERATORS

Generators

All-purpose:
The economical GV series of synchronous generators.

The practical transport device means the GV can be used almost anywhere. It is easy to assemble and can be supplied as an accessory.

Outlets:

- **Version 1:** 2 x shock-proof 230 V, 16 A
- **Version 2:** 1 x shock-proof 230 V, 16 A + 1 x CEE 400 V, 16 A
- **Version 3:** 1 x shock-proof 230 V, 16 A + 1 x CEE 230 V, 32 A

GV 2500

GV SERIES ACCESSORIES
can be found on page 32.

For every application and budget:

- Reliable performance and hours of continuous operation.
- Extremely space-saving thanks to compact and low-level design.
- The highly stable and light protective frame has an additional steel cover. This provides optimum protection – even under the most demanding job site conditions.
- Honda 4-cycle engines impress with reliable performance, extremely fast start-up and a long service life.
- Large tank for hours of work without interruptions for refueling.
- The safety status matches the protective breaker (according to VDE 0100): because there is no need to ground the generator star point, sealed fault circuits (through the earth/operator) cannot occur between consumer and generator.
- A break switch ensures improved operating safety against overloading and for a long service life.
- Ideal for construction sites as well as industrial, commercial and agricultural applications.
- Available in 5 different machine versions (see technical data).

The electric power supply jack of all trades: G 7 and GS 12.

Outlets:

- **G 7:** 2 x shock-proof 230 V, 16 A
  1 x CEE 400 V, 16 A
  1 x CEE 230 V, 16 A
- **GS 12:** 2 x shock-proof 230 V, 16 A
  1 x CEE 230 V, 16 A
  1 x CEE 400 V, 16 A

G 7:

- Electronic voltage control.
- Protected against dust and splash water through protection class IP 54.
- Meets the requirements of the GW 308 DVGW* standard.
- Also available with practical transport device.

G 7

GS 12

GS 12:

- Head and shoulders above the rest.
- Extremely low noise levels thanks to the sound insulation.
- Electric starter version.
- Transport device as standard.

ACCESSORIES FOR G 7 AND GS 12
can be found on page 32.

Quality, safety and much more: G 7 and GS 12 have a lot to offer.

- They deliver a stable, sinusoidal output voltage.
- Extreme high performance: consumers with starting currents up to 4 times the rated current can be connected.
- The isolation monitor provides the operator with optimal protection.
- The Honda 4-cycle engine impresses with its reliability, performance, start-up speed and a long service life.
- Large tank for hours of work without interruptions for refueling.
- The robust frame protects the engine and generator from damage from impact or knocks.
- The compact construction is extremely space-saving and takes up little installation space.
- Ideal for industrial, commercial or agricultural use.

* German Technical and Scientific Association for Gas and Water

The low voltage professional:
GH 3500.

GH 3500

Attachable machines from Wacker Neuson:

- Electric hammer EH 24/042/200.
- Various internal vibrators in the IREN and IRSEN models.
- Various external vibrators of the AR model.

SPECIAL GENERATOR
for high-frequency machines with 42 V / 200 Hz

Outlets:

- **GH 3500:** 2 x 42 V, 32 A
  1 x 42 V, 63 A

Suitable for connecting machines with 42 V/200 Hz:

- Extremely safe as output voltage of 42 V is not dangerous to humans.
- Long-term good performance thanks to high-quality construction.
- The GH 3500 can also be used without risk in wet environments.
- Generator and frequency and voltage converter in one.
- Easy to use: all 42 V/200 Hz machines can be connected easily and used immediately.

High performance on the move: the mobile G series power generator.

G 78

Fully equipped generators for a reliable electric power supply:

- Soundproofed: extremely quiet operation.
- Optimal engine start-up with separate exciter coil.
- Powerful Deutz diesel engine – Made in Germany.
- Digital engine and generator control for maximum protection and safety.
- Motor protection: alarm and shut-off function if fuel or oil pressure falls below a certain level or if temperature is too high.
- Generator protection: alarm and shut-off function triggered by undervoltage/ excess voltage, start malfunction, excessive load, undervoltage/excess voltage on the battery or battery charging errors.
- Generators have a battery circuit breaker, fuel water separator, three-way valve for external fuel tank and a grounding rod with 1 m long lead.
- Oil pressure and engine temperature sensor which switches off automatically in an emergency.
- Ideally suited for job sites where reliability of electric power supply is crucial, e.g. for lighting, cranes, concrete mixers, and conveyor belts.
- Large removable covers for easy servicing.
- 5 model versions available.

1 **The integrated three-way valve** provides the option to connect an external tank. This extends the runtime of the generator and creates even greater independence.

2 **Lockable door** with access to controls, direct connection and all fuses. A safety bonus against incorrect usage.

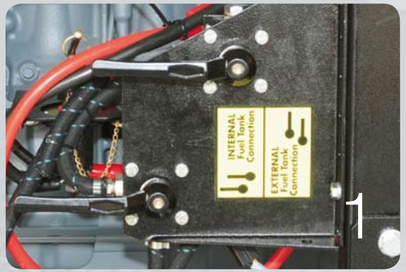
3 **Integrated grounding rod** for operation in TN system.

Extremely mobile:
Available as an accessory, the trailer is approved for use on the European road network and is a quick and practical way of getting generators to any site.

Outlets:

1 x 1~ shock-proof 230 V – 16 A
1 x 1~ CEE 230 V – 16 A
1 x 3~ CEE 400 V – 16 A
1 x 3~ CEE 400 V – 32 A
1 x 3~ CEE 400 V – 63 A

Direct connection possible



The external automatic power standby system monitors the public power supply and ensures that the generator starts automatically in the event of power fluctuations or failure. This guarantees a reliable electric power supply. The automatic power standby system is available as an accessory.

4 **Digital control panel** displays all functions clearly, offering full details of the operating status.

5 Practical, removable **jack ring** for quick availability on site.

6 **Integrated fork lift pockets** for easy transportation on site.

TECHNICAL DATA	GV 2500A	GV 5000A	GV 5003A	GV 7000A	GV 7003A
L x W x H mm	625 x 405 x 500	735 x 510 x 515	735 x 510 x 515	735 x 510 x 520	735 x 510 x 520
Net weight kg	41	61	75	72	81
Maximum output kVA	2.36	4.44	5.38	6.05	7.45
Continuous output kVA	2.30	4.33	5.20	5.50	7.10
Rated current A at 1~ **Rated current** A at 3~	10.0 –	18.8 –	14.1 7.5	23.9 –	14.1 10.2
Rated voltage V at 1~ **Rated voltage** V at 3~	230 –	230 –	230 400	230 –	230 400
Circuit breaker A	10 1~	20 1~	10/12/10 3~	12/22 1~	10/12/10 3~
Frequency Hz	50	50	50	50	50
Power factor cos φ	0.9	0.9	0.8	0.9	0.8
Engine manufacturer	Honda	Honda	Honda	Honda	Honda
Model	GX 160	GX 270	GX 270	GX 390	GX 390
Displacement cm^3	163	270	270	389	389
Operating performance (DIN ISO 3046) kW (HP)	3.6 (4.8)	6.3 (8.5)	6.3 (8.5)	8.3 (11.1)	8.3 (11.1)
At speed 1/min	3,000	3,000	3,000	3,000	3,000
Tank capacity (fuel) l	11.0	11.0	11.0	11.0	11.0
Running time (continuous output) h	11.8	6.7	6.7	5.1	5.6
Outlets	2 x shock-proof 230 V, 16 A	2 x shock-proof 230 V, 16 A	1 x shock-proof 230 V, 16 A 1 x CEE 400 V, 16 A	1 x shock-proof 230 V, 16 A 1 x CEE 230 V, 32 A	1 x shock-proof 230 V, 16 A 1 x CEE 400 V, 16 A

TECHNICAL DATA	G 7AI	GS 12AI	GH 3500
L x W x H mm	695 x 545 x 570	960 x 640 x 667	540 x 440 x 521
Net weight kg	93	175	39
Maximum output kVA	7.4	13.9	4.2
Continuous output kVA at 1~ **Continuous output** kVA at 3~	4.9 7.0	– 11.8	– 3.0
Rated current A at 1~ **Rated current** A at 3~	21.5 10.1	27.1 17.1	– 41.2
Rated voltage V at 1~ **Rated voltage** V at 3~	230 400	230 400	– 42 3~
Circuit breaker A	16 3~	16 3~	–
Frequency Hz	50	50	200
Power factor cos φ at 1~ **Power factor** cos φ at 3~	1.0 0.8	0.9 0.8	– 0.8
Engine manufacturer	Honda	Honda	Wacker Neuson
Model	GX 390	GX 620	WM 210
Displacement cm^3	389	614	211
Operating performance (DIN ISO 3046) kW (HP)	8.3 (11.1)	13.5 (18.1)	5.1 (7.0)
At speed 1/min	3,000	3,000	3,500
Tank capacity (fuel) l	15.0	24.0	3.6
Running time (continuous output) h	4.7	6.9	1.9
Outlets	2 x shock-proof 230 V, 16 A 1 x CEE 230 V, 16 A 1 x CEE 400 V, 16 A	2 x shock-proof 230 V, 16 A 1 x CEE 230 V, 16 A 1 x CEE 400 V, 16 A	2 x 42 V, 32 A 1 x 42 V, 63 A

TECHNICAL DATA	G 22	G 32	G 43	G 66	G 78
L **W** **H (on runners)** mm	2,000 920 1,300	2,000 920 1,300	2,000 920 1,300	2,710 1,180 1,535	2,710 1,180 1,535
L **W** **H (on trailer)** mm	3,411 1,438 1,650	3,411 1,438 1,650	3,411 1,438 1,650	4,270 1,656 1,920	4,270 1,656 1,920
Operating weight (on runners / on trailer) kg	972 / 1,015	1,034 / 1,091	1,086 / 1,155	1,588 / 1,902	1,738 / 1,949
Net weight (on runners) kg	901	960	1,012	1,270	1,420
Continuous output kW / kVA	16.6 / 20.8	24.2 / 30.4	33.0 / 41.3	47.0 / 58.7	59.4 / 74.3
Standby output kW / kVA	17.5 / 21.9	25.5 / 31.9	34.7 / 43.4	52.4 / 65.5	62.2 / 77.7
Rated voltage V at 1~ **Rated voltage** V at 3~	230 400	230 400	230 400	230 400	230 400
Frequency Hz	50	50	50	50	50
Power factor 1~ / 3~	0.8	0.8	0.8	0.8	0.8
Voltage control, zero load to full load %	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0
Coil class	H	H	H	H	H
Noise level at full load dB(A) at 7 m	64	64	64	70	70
Engine type	3 cylinder	4 cylinder	4 cylinder liquid-cooled Deutz diesel engine	4 cylinder	4 cylinder
Rated power kW **at nominal speed** 1/min	19.0 1,500	27.6 1,500	36.4 1,500	52.0 1,500	66.1 1,500
according to	ISO 3046	ISO 3046	ISO 3046	ISO 3046	ISO 3046
Displacement cm^3	2,330	3,110	3,110	4,040	4,040
Tank capacity (fuel) l	78	78	78	350	350
Fuel consumption at full load l / h	5.2	7.1	9.4	13.7	15.7
Battery V / CCA	12 V / 680 A	12 V / 680 A	12 V / 680 A	12 V / 760 A	12 V / 760 A
Trailer coupling	50 mm ball hitch				
Outlets 1 each	1~ shock-proof 230 V / 16 A, 1~ CEE 230 V / 16 A, 3~ CEE 400 V / 16 A, 3~ CEE 400 V / 32 A, 3~ CEE 400 V / 63 A				

Modifications reserved in the interest of continuous further development.

Lighting

The requirement for first-class results:
Light – in each and every corner.

Lighting systems make assignments totally independent.
Nothing can happen without light – even on the job site. Wacker Neuson offers reliable lighting systems which shed light in every corner, allowing construction work to continue into the fall, winter, and even late into the evening and night.

- **Light towers** illuminate a large area of the job site and provide first class working conditions.
- **Light balloons** are ideal for smaller, medium-sized areas. Their non-glare lighting is also well suited to job sites in road traffic.

LIGHT TOWERS

LIGHT BALLOONS

Wheel set, generator and light mast in one. A bright unit.
LTN 6.

LTN 6

Only from Wacker Neuson:
A LARGER ILLUMINATED AREA WITH ELLIPTICAL REFLECTORS.

1 **The elliptical reflectors** illuminate a far larger area than round reflectors.

2 The inner workings of the LTN 6L are **easily accessible and simple to maintain.**

The LTN 6 combines optimum performance with user-friendly flexibility.

- Four high-pressure metal vapor lamps provide illumination over a large area with very bright light similar to daylight.
- Elliptical reflectors produce diffuse light distributed over an extremely wide area.
- The lights are easy to move and fix individually.
- The light mast can be rotated a full 360 degrees.
- Three leveling jacks facilitate set-up and render the system stable, even on uneven ground and in strong winds.
- The large tank provides seven successive nights of bright light – 73 hours non-stop.
- The wheel set on the light tower makes it easy to transport and is approved for use on the European road network.
- The operator's controls are clearly arranged on a single control panel.
- A signal lamp identifies any malfunctions.
- The operator's control panel has a shock-proof plug and a protection switch, removing the need for grounding. The machine can be assembled more quickly and the operator is protected at all times.
- The tried and tested diesel engine with glow plugs starts up without difficulties even in cold weather.
- Automatic engine deactivation prevents damage to the engine if the oil level gets too low or liquid coolant temperature is too high.

Simple. Practical.
And extremely bright:
The LBA 1 base unit.

LBA 1

The ballast is used to light the metal vapor lamp.

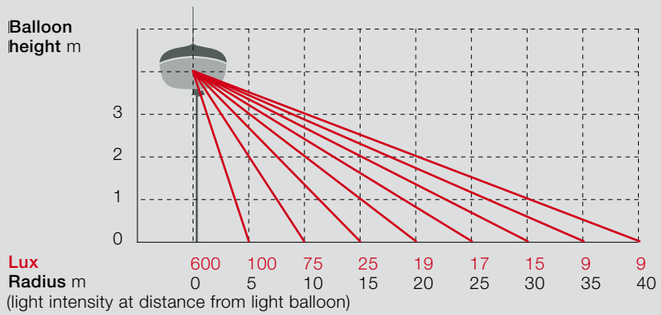
The open light balloon (shown here) is stretched mechanically. No need for inflation, etc.

The light balloon for quick deployment:

- Ready for use in just a few minutes thanks to its small number of parts and ease of construction.
- 1,000 watt metal vapor lamp.
- Glare-free, very bright light thanks to an intelligent lamp shade: the textile-covered underside disperses the light, while the upper aluminum-coated side produces a high downward light output.
- The diffuse light prevents stark contrasts and generates light without dark shadows.
- No inflating: quickly assembled metal rod inside the balloon.
- Extremely compact and easy to handle.
- Handy ballast for lighting the lamp.
- Extremely versatile as it can be mounted anywhere with ease, e.g. on a frame or asphalt paver.

Glare-free from up high:
The LB 1 light balloon.

LB 1



The light intensity of the LB 1.

Light where you need it:

- The supplied tripod makes the light balloon independent.
- The light balloon is securely fastened to the tripod or ground with the bracing set, thus excluding the risk of toppling.
- Strong 1,000 watt metal vapor lamp.
- Glare-free, very bright light.
- The lower textile-covered side of the lamp shade disperses the light, while the upper aluminum-coated side gives the lamp a high downward light output.
- Light without dark shadows.
- No inflating: quickly assembled metal rod inside the balloon.
- When extended, the tripod reaches a height of over 5 meters, providing bright light even over larger areas.
- The light balloon is ready for use in just a few minutes thanks to its small number of parts and ease of construction.
- Ballast for lighting the lamp.

The complete package for mobile lighting: LBM 1.

LBM 1

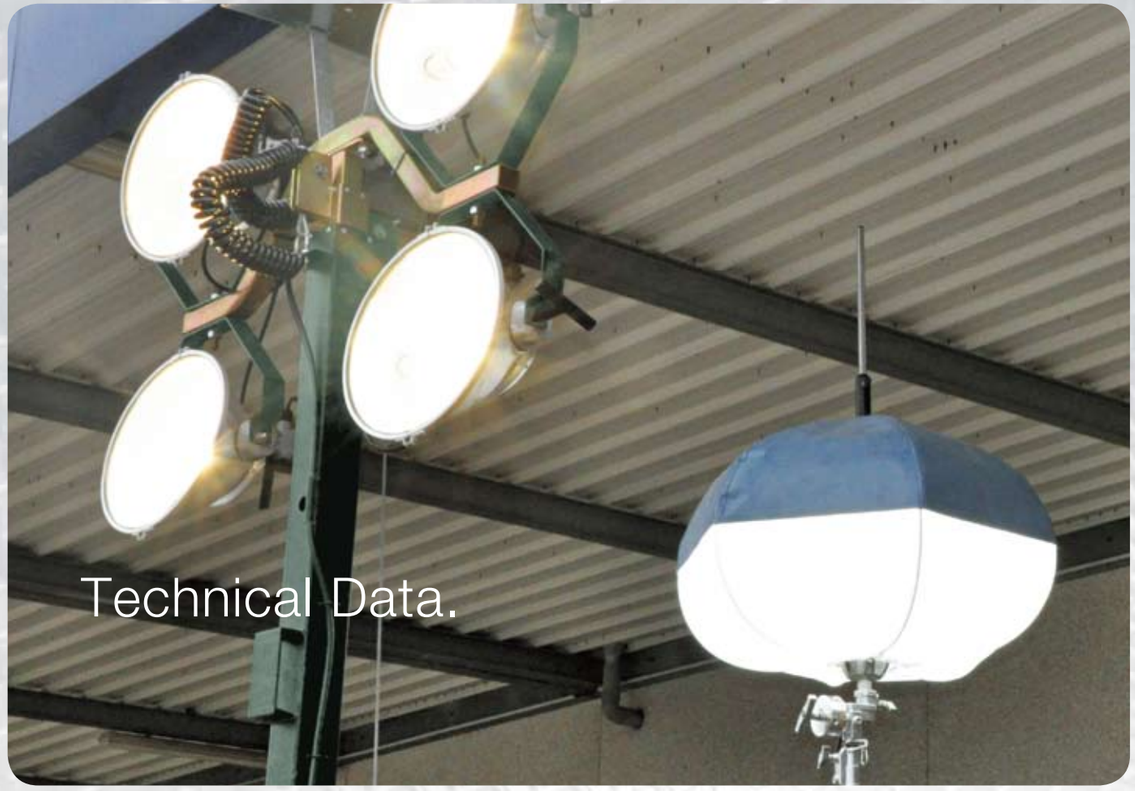
LIGHT SOURCE + TRIPOD + GENERATOR + TRANSPORT CART

The transport cart
makes the light balloon mobile and usable anywhere.

Powerful Wacker Neuson generator
with long life and large tank for many hours of work without interruptions for refueling.

Ready for use any time, anywhere:

- Light source, tripod, generator, and transport cart in one.
- Glare-free lighting: the translucent lower textile cover diffuses the very bright light of the metal vapor lamp and distributes it evenly across the surrounding area.
- Light without dark shadows.
- Stable base frame with solid construction.
- Tripod with practical crank. Total extended height over 3 meters.
- Generator can be replaced if necessary and customized to special requirements, e.g. for using additional tools.
- Simple construction makes for fast assembly and dismantling.
- Stable design allows use in all conditions.



Technical Data.

TECHNICAL DATA	LTN 6L
L x W x H (in transport position) mm	3,918 x 1,265 x 1,790
Operating weight kg	865
Transport weight kg	767
Max. mast height m	9
Sound level dB(A) in 7 m	66
Power kW	6
Frequency Hz	50
Rated voltage V	230
Power factor cos φ	1
Voltage control % **Idle to full load** %	6 10
Lamp type halogen metal vapor (W)	1,000
Illumination m^2 @ 5.4 lux	30,400
Generator isolation Class	H
RPM 1/min	1,500
Generator Model	Brush-free
Drive	Liquid-cooled three-cylinder diesel engine
Engine manufacturer	Lombardini
Displacement cm^3	1,028
Max. rated power kW (HP)	8.5 (11.4)
At nominal speed 1/min	1,500
Rated power according to	ISO 3046 IFN
Tank capacity (fuel) l	123
Fuel consumption l/h	1.68

TECHNICAL DATA	LBA 1	LB 1
L x W x H mm	900 x 900 x 600	1,960 x 1,960 x 2,622
Max. / Min. balloon height m	–	6.2 / 2.6
Operating weight kg	28.4	47.9
Transport weight kg	34.3	50.1
Operating temperature °C	-22 to 35	-22 to 35
Lamp type	Metal vapor	Metal vapor
Lamp output W	1,000	1,000
Luminous flux lm	99,000	99,000
Illumination (light at 4 m height) m^2 @ 11 lux	3,317	3,317
Balloon diameter mm	900	900
Balloon height mm	600	600
Voltage (AC) V	230	230
Power input A	7.4	7.4
Operating current A	4.0	4.0
Frequency Hz	50	50
Plug type	Shock-proof	Shock-proof
Cable length (balloon to ballast) m	7	7
Cable length (ballast to generator) m	3	3

TECHNICAL DATA	LBM 1
Balloon dimensions mm	900 x 600
Max. tripod height mm	3,700
Luminous flux lm	99,000
Version	E40 (at 230 V)
HQI Lamp W	1,000
Lamp type	Metal vapor
Maximum output kVA	2.36
Continuous output kVA	2.30
Rated current A	10.0
Rated voltage V	230
Power factor cos φ	0.9
Engine manufacturer	Honda
Tank capacity (fuel) l	11.0
Running time (continuous load) h	11.8
Outlets	2 x Shock-proof 230 V, 16 A
When transported: L x W x H mm	1,116 x 700 x 1,700
When working: L x W x H (max.) mm	1,844 x 2,563 x 5,160
Weight: cart + GV 2500A (fully fueled) kg	207.3
Weight: cart without generator kg	156.80

Modifications reserved in the interest of continuous further development.

High-quality accessories from Wacker Neuson.
Quality that's worth it.

Power generators and lighting systems on job sites simply have to function.

And they have to function for extremely long periods and in all weather conditions. Thanks to high-quality original parts from Wacker Neuson, this is not a problem for our machines. Quite the opposite. Machines and accessories from Wacker Neuson are specifically designed for continuous operation.

Accessories

Accessories for generators and lighting systems.
From Wacker Neuson.

ACCESSORIES FOR PORTABLE GENERATORS	GV 2500A	GV 5000A	GV 5003A	GV 7000A	GV 7003A	G 7AI	GS 12AI	GH 3500
Transport device	●	●	●	●	●	●	included	○
Lifting point	○	○	○	○	○	included	●	○

ACCESSORIES FOR MOBILE GENERATORS	G 22	G 32	G 43	G 66	G 78
Trailer approved for use on European road network	●	●	●	●	●
External automatic power standby system	●	●	●	●	●

ACCESSORIES FOR LIGHT BALLOONS	LBA 1	LB 1	LBM 1
Tripod	●	included	included
Spherical head joint	●	●	●

● available
○ not available

The electric **power supply** is not an issue for Wacker Neuson.

The wide selection of generators in the Wacker Neuson product range has the appropriate electric power supply for every application. We operate machines for concrete technology, electric hammers, pumps, heaters, lighting systems, and everything related to working on a job site. This makes us totally independent from the public mains supply and makes work processes more efficient.

Tell us what your usage requirements are – we will be happy to help you find the right generator for you.

Generator applications

Electricity consumers **overview**

	Voltage / frequency V / Hz	Input current A	Item	Power VA	GV 2500A	GV 5000A	GV 7000A	GV 5003A	GV 7003A	G 7AI	GS 12AI	GH 3500
CONCRETE TECHNOLOGY												
IRFU 30 - 65	230/50	2.2 - 10.0	ind.	1,380	●	●	●	●	●	●	●	
IRSE-FU 30 - 57	230/50	3.5 - 6.0	ind.	1,380	●	●	●	●	●	●	●	
FU 1.5/200W	230/50	9.0	ind.	2,100	●	●	●	●	●	●	●	
FU 1.8/200	400/50	5.0	ind.	3,500				●	●	●	●	
FU 4/200	400/50	10.0	ind.	6,900					●	●	●	
FU 5z	400/50	13.2	ind.	9,200						●	●	
FUE 1	230/50	9.6	ind.	2,200	●	●	●	●	●	●	●	
FUE 2	230/50	13.0	ind.	3,000		●	●	●	●	●	●	
KTU 2	230/50	13.0	ind.	3,000		●	●	●	●	●	●	
FUE 6/042/200W(SC)	230/50	9.6 - 14.8	ind.	5,500					●	●	●	
M 1000	230/50	4.5	ind.	1,000	●	●	●	●	●	●	●	
M 2000	230/50	6.5	ind.	1,500	●	●	●	●	●	●	●	
M 3000	230/50	10.0	ind.	2,300	●	●	●	●	●	●	●	
AR 36/6/042	42/200	9.0	–	–								●
IREN 30 - 65	42/200	3.5 - 25.0	–	–								●
IRSEN 30 - 57	42/200	3.5 - 17.3	–	–								●
REINFORCEMENT TECHNOLOGY												
RCP 12_16_20_25_32	230/50	5.8 - 6.8	ind.	1,400	●	●	●	●	●	●	●	
RCE 16_20_25	230/50	5.3 - 5.8	ind.	1,800	●	●	●	●	●	●	●	
HAMMERS												
EH 6M	230/50	7.0	ind.	1,610	●	●	●	●	●	●	●	
EHB 7M	230/50	7.0	ind.	1,610	●	●	●	●	●	●	●	
magic	230/50	7.5	ind.	1,725	●	●	●	●	●	●	●	
EH 23/230	230/50	10.8	ind.	2,484		●	●	●	●	●	●	
EH 22/400	400/50	6.9	ind.	2,768				●	●	●	●	
SINGLE-PHASE PUMPS												
400 W	230/50	–	ind.	600 full load/start	●	●	●	●	●	●	●	
500 W	230/50	–	ind.	670 full load/start	●	●	●	●	●	●	●	
750 W	230/50	–	ind.	1,450 full load/start	●	●	●	●	●	●	●	
THREE-PHASE PUMPS												
1,500 W	400/50	–	ind.	2,350 full load/start				●	●	●	●	
2,200 W	400/50	–	ind.	3,800 full load/start				●	●	●	●	
3,700 W	400/50	–	ind.	5,190 full load/start					●	●	●	
5,500 W	400/50	–	ind.	7,470 full load/start						●	●	
7,500 W	400/50	–	ind.	9,900 full load/start								
11,000 W	400/50	–	ind.	14,500 full load/start								
ELECTRIC SPACE HEATERS												
Fan heater HE 3	230/50	–	–	3,030			●	●	●	●	●	

	Voltage / frequency V / Hz	Input current A	Item	Power VA	GV 2500A	GV 5000A	GV 7000A	GV 5003A	GV 7003A	G 7AI	GS 12AI	GH 3500
GAS/OIL HEATERS FOR OPERATING FANS												
Gas space heaters HGM/HGA	230/50	–	–	–	●	●	●	●	●	●	●	
Oil heaters HD/HI/HM	230/50	–	–	–	●	●	●	●	●	●	●	
AIR DEHUMIDIFIERS												
AD	230/50	–	–	–	●	●	●	●	●	●	●	
LIGHTING												
Light Balloon	230/50	–	–	–	●	●	●	●	●	●	●	●
Halogen floodlights	230/50	–	ohm	500 - 2,000	●	●	●	●	●	●	●	
Bulbs	230/50	–	ohm	500 - 2,000	●	●	●	●	●	●	●	
ELECTRIC TOOLS												
Drill machines	230/50	–	ind.	600 - 1,000	●	●	●	●	●	●	●	
Rotary hammers	230/50	–	ind.	600 - 1,600	●	●	●	●	●	●	●	
Portable circular saws	230/50	–	ind.	1,000 - 2,000		●	●	●	●	●	●	
Ventilators	230/50	–	ind.	500 - 1,000	●	●	●	●	●	●	●	
CONSTRUCTION/TABLE CIRCULAR SAWS*												
Single-phase saws (1~)												
BTA 90	230/50	–	–	2,500	●	●	●	●	●	●	●	
BTA 90	230/50	–	–	3,000	●	●	●	●	●	●	●	
ATU 450	230/50	–	–	2,000		●		●	●	●	●	
ABK/ABH 400	230/50	–	–	2,000		●		●	●	●	●	
Three-phase saws (3~)												
BTA 90	400/50	–	–	3,300			●	●	●	●	●	
ATU 450	400/50	–	–	3,500							●	
ABK/ABH 400	400/50	–	–	3,000						●	●	
ABK/ABH 450	400/50	–	–	4,000							●	
ABK/ABH 500	400/50	–	–	5,000								
ELECTRIC WELDING SETS												
Up to electrode Ø 2.50 mm	230/50	–	ind.	2,500 - 3,000			● -3	● -4	● -5		●	
Up to electrode Ø 3.25 mm	230/50	–	ind.	3,500 - 5,000			● -4		● -6			
Up to electrode Ø 3.25 mm	400/50	–	ind.	5,000 - 8,000				● -4	● -6		●	
PLASTIC WELDING SETS												
Friatec Friamat series	–/50	–	–	–			●		●	●	●	
Hürner HN-SC/HW-SC 400/L	–/50	–	–	–			●		●	●	●	
Hürner HST 300 junior/ junior+/Print/t	–/50	–	–	–			●		●	●	●	

* Atika ● available -3 less than 3,000 VA -4 less than 4,000 VA -5 less than 5,000 VA -6 less than 6,000 VA